

## REMARKS

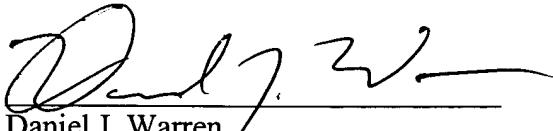
Claims 1-14 are currently pending herein with Claims 1 and 6 being independent claims. The office action, however, states that Claims 1-5 and 7-9 are pending herein. As was discussed with the Examiner, apparently, the preliminary amendment in the co-pending case, Serial No. 10/708,607, also was entered in this case. Although the cases were filed on the same day, the preliminary amendment in each case is distinct.

A copy of the application as filed by electronic means on March 15, 2004 is attached hereto as Exhibit A. A copy of the preliminary amendment also filed by electronic means on March 15, 2004 is attached hereto as Exhibit B. A copy of the acknowledgment receipt from the U.S. PTO acknowledging receipt of the application and the amendment is attached hereto as Exhibit C.

## CONCLUSION

The Applicant therefore respectfully requests entry of the preliminary amendment and consideration thereof. Allowance of all claims is respectfully solicited. Any questions may be directed to the undersigned at 404.853.8028.

Respectfully submitted,



Daniel J. Warren  
Reg. No. 34,272

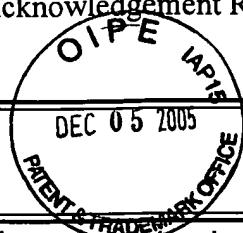
## SUTHERLAND ASBILL & BRENNAN LLP

999 Peachtree Street  
Atlanta, Georgia 30309-3996  
404-853-8028  
404-853-8806 (Facsimile)  
[daniel.warren@sablaw.com](mailto:daniel.warren@sablaw.com)

New Atty. Docket No. 24963.0006

RESPONSE

EXHIBIT A



**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	More Uniform Electroluminescent Displays																										
<p>Submission Type: Utility Patent Filing</p> <p>Application Number: 10/708610 *10/70</p> <p>EFS ID: 57098</p> <p>Server Response:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Confirmation Code</th> <th style="width: 80%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted – Even if Informational or Warning Messages appear below, please not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>2609</td> </tr> <tr> <td>WUTL1</td> <td>Filename= 19727-0008-pkda.xml BusinessRule= The patent submission does not include an us-fee-sheet document.</td> </tr> <tr> <td>WGEM24</td> <td>Filename= all XMLs having &lt;invention-title&gt; Business Common elements across multiple XML documents within the submission package do not have synchronized data content. #Supporting Msg:&lt;invention-title&gt; not the same having font format.</td> </tr> </tbody> </table> <p>First Named Applicant: Frank Tyldesley</p> <p>Attorney Docket Number: 19727-0008</p> <p>Timestamp: 2004-03-15 14:44:39 EDT</p> <p>From: us</p> <p>File Listing:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Doc. Name</th> <th style="width: 40%;">File Name</th> <th style="width: 20%;">Size</th> </tr> </thead> <tbody> <tr> <td>us-request</td> <td>19727-0008-usreq.xml</td> <td></td> </tr> <tr> <td>us-request</td> <td>us-request.dtd</td> <td></td> </tr> <tr> <td>us-request</td> <td>us-request.xsl</td> <td></td> </tr> <tr> <td>us-declaration</td> <td>PreliminaryAmendment2.tif</td> <td></td> </tr> </tbody> </table>			Confirmation Code	Message	ISVR1	Submission was successfully submitted – Even if Informational or Warning Messages appear below, please not resubmit this application	ICON1	2609	WUTL1	Filename= 19727-0008-pkda.xml BusinessRule= The patent submission does not include an us-fee-sheet document.	WGEM24	Filename= all XMLs having <invention-title> Business Common elements across multiple XML documents within the submission package do not have synchronized data content. #Supporting Msg:<invention-title> not the same having font format.	Doc. Name	File Name	Size	us-request	19727-0008-usreq.xml		us-request	us-request.dtd		us-request	us-request.xsl		us-declaration	PreliminaryAmendment2.tif	
Confirmation Code	Message																										
ISVR1	Submission was successfully submitted – Even if Informational or Warning Messages appear below, please not resubmit this application																										
ICON1	2609																										
WUTL1	Filename= 19727-0008-pkda.xml BusinessRule= The patent submission does not include an us-fee-sheet document.																										
WGEM24	Filename= all XMLs having <invention-title> Business Common elements across multiple XML documents within the submission package do not have synchronized data content. #Supporting Msg:<invention-title> not the same having font format.																										
Doc. Name	File Name	Size																									
us-request	19727-0008-usreq.xml																										
us-request	us-request.dtd																										
us-request	us-request.xsl																										
us-declaration	PreliminaryAmendment2.tif																										

us-declaration	PreliminaryAmendment3.tif
us-declaration	PreliminaryAmendment4.tif
us-declaration	PreliminaryAmendment5.tif
us-power-of-attorney-grant	PreliminaryAmendment6.tif
application-body	Specification5-trans.xml
application-body	us-application-body.xsl
application-body	application-body.dtd
application-body	wipo.ent
application-body	mathml2.dtd
application-body	mathml2-qname-1.mod
application-body	isoamsa.ent
application-body	isoamsb.ent
application-body	isoamsc.ent
application-body	isoamsn.ent
application-body	isoamso.ent
application-body	isoamsr.ent
application-body	isogrk3.ent
application-body	isomfrk.ent
application-body	isomopf.ent
application-body	isomscr.ent
application-body	isotech.ent
application-body	isobox.ent
application-body	isocyr1.ent
application-body	isocyr2.ent
application-body	isodia.ent
application-body	isolat1.ent
application-body	isolat2.ent
application-body	isonum.ent
application-body	isopub.ent
application-body	mmlextra.ent
application-body	mmlalias.ent
application-body	soextblk.dtd

application-body	drawing1.tif
application-body	drawing2.tif
application-body	drawing3.tif
application-body	drawing4.tif
us-declaration	PreliminaryAmendment1.tif
package-data	19727-0008-pkda.xml
package-data	package-data.dtd
package-data	us-package-data.xsl
Total files size	

Message Digest: e3b0b26784b7cf67c88917b16a9c87e0cc8552ec

Digital Certificate Holder cn=Daniel James Warren,ou=Registered  
Name: Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S.  
Government,c=US

**RESPONSE**

**EXHIBIT B**

**RESPONSE**

**EXHIBIT C**



PATENTS  
Customer No. 29052  
Atty. Docket No. 19727.0008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
TYLDESLEY, Frank )  
Serial No. Not Assigned ) Art Group: Not Assigned  
Filed: March 15, 2004 ) Examiner: Not Assigned  
For: More Uniform Electroluminescent )  
Displays )

PRELIMINARY AMENDMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please enter the following amendments to the above-referenced application prior  
to the first evaluation thereof:

## **AMENDMENTS**

In the Specification:

Paragraph 0001, please add the following:

### **Technical Field**

Paragraph 0002, please add the following:

### **Background of the Invention**

Paragraph 0018, please add the following:

### **Summary of the Invention**

Paragraph 0080, please add the following:

These and other features of the present invention will become apparent upon review of the following detailed description of the invention when taken in conjunction with the drawings and appended claims.

### **Brief Description of the Drawings**

Paragraph 0091, please add the following:

### **Detailed Description of the Invention**

New Paragraph 0108, please add the following:

It should be apparent that the foregoing relates only to the preferred embodiments of the present invention and that numerous changes and modification may be made herein without departing from the spirit and scope of the invention as defined by the following claims and the equivalents thereof.

In the Claims:

Before Claim 1, please add the following:

I Claim:

1. (Original) An electroluminescent display of the type wherein a layer of electroluminescent material is sandwiched between but spaced from two electrode layers, and the electroluminescent material is composed of a plurality of separate areas each matching in shape and size the image which the relevant portion of the display is to show, each such area being surrounded by a layer of insulating material, in which display the colour/reflectivity of one and/or another of the electroluminescent material and the surrounding insulator material is modified - or is apparently modified - so as to match that of the other.

2. (Original) A display as claimed in Claim 1 which uses, as the electroluminescent material, a particulate phosphor.

3. (Original) A display as claimed in Claim 2, wherein the particulate phosphor is zinc sulphide in the form of encapsulated particles.

4. (Currently amended) A display as claimed in any of the preceding Claims 1, wherein the separately-activatable individual areas are grouped into sets of related character-defining segments each group of which can, by the activation of the appropriate segments, define any character there to be displayed.

5. (Original) A display as claimed in Claim 4, wherein each group is the standard seven-segment group commonly employed in modern electrical and electronic displays.

6. (Currently amended) A display as claimed in ~~any of the preceding~~ claims 1, wherein, to modify the colour/reflectivity of one or other (or both) of the electroluminescent material/phosphor and the surrounding dielectric material (the ceramic/insulator) to match - or appear to match - that of the other, the colour/reflectivity of the chosen material is changed to match that of the other by the material being blended with suitable colouring materials to give a colour match to the other, the match applying while the phosphor is in its "off" (unactivated) state.

7. (Original) A display as claimed in Claim 6, wherein the colour/reflectivity of each of the phosphor material and the insulating material is modified so as more closely to match each other, the phosphor material being blended with a material of one suitable colour while the insulating material is also be blended with a material of a suitable colour.

8. (Currently amended) A display as claimed in ~~any of~~ Claims 1-~~to~~-5, wherein, to modify the colour/reflectivity of one or other (or both) of the electroluminescent material /phosphor and the surrounding dielectric material (the ceramic/insulator) to match - or appear to match - that of the other, there is formed between the substrate and the insulator layer an additional layer of suitably-coloured material so as effectively to mask the insulator layer from view and thus present the impression of a continuous layer when the combination is viewed through the transparent electrode.

9. (Currently amended) A display as claimed in ~~any of the preceding~~ Claims 1, wherein, to modify the colour/reflectivity of one or other (or both) of the electroluminescent material/phosphor and the surrounding dielectric material (the ceramic/insulator) to match - or appear to match - that of the other, the display is provided with a front filter/absorber layer - an overlay - of suitably-coloured transparent material so as appropriately to modify the manner in which external light entering the display from the ambient surroundings is transmitted thereinto and then reflected back.

10. (Original) A display as claimed in Claim 9, wherein the filter layer is an additional layer formed on the outside, front, surface of the substrate.

11. (Currently amended) A display as claimed in ~~either of~~ Claims 9 and 10, wherein the use of a coloured filter layer is in addition to the colouring of the phosphor layer and the insulating layer.

12. (Original) A display as claimed in Claim 11, wherein the phosphor, the insulating layer, and the filter are all coloured different intensities of the same colour, and the colours are darker - more intense - the higher the intrinsic reflectivity of the component.

13. (Currently Amended) A display as claimed in ~~any of~~ Claims 9 to 12, wherein the filter is positioned to cover the entire surface of the display.

14. (Currently Amended) A display as claimed in ~~any of~~ Claims 9 to 13, wherein the reflectance spectrum of the filter is shifted in wavelength compared to the transmittance spectrum of the filter, so that the colour/hue of the emitted light from the phosphor is not the same as that of the reflected light from the very front - the filter - surface of the display.

15. (Cancelled.)

**REMARKS**

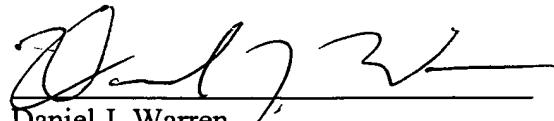
The claims have been amended herein to remove the multiple dependencies. No substantive limitations been made herein.

**CONCLUSION**

The Applicant respectfully submits that the claims are allowable. Any questions can be directed to the undersigned at 404.853.8028.

This 15th day of March 2004.

Respectfully submitted,



Daniel J. Warren  
Reg. No. 34,272

**SUTHERLAND ASBILL & BRENNAN LLP**  
999 Peachtree Street, N.E.  
Atlanta, Georgia 30309-3996  
(404) 853-8000  
(404) 853-8806  
[daniel.warren@sablaw.com](mailto:daniel.warren@sablaw.com)  
Docket No.: 19727.0008